

ABSTRACT

A light source device enables manual and automatic light regulation performed on illumination light that is irradiated to an object. A set value of a light regulation level for light emanating from a light source which is determined for use of an endoscope 11 is stored in a memory. When the driving power supply of the endoscope 11 is turned on again in order to reuse the endoscope, the stored and previously determined set value of the light regulation level is compared with a threshold value. When the previously determined set value of the light regulation level is equal to or larger than the threshold value, a diaphragm 26 is adjusted so that the light regulation level is set to a predetermined value. When the previously determined set value of the light regulation level is equal to or smaller than the threshold value, the diaphragm 26 is adjusted so that the light regulation level will be set to the previous determined set value.